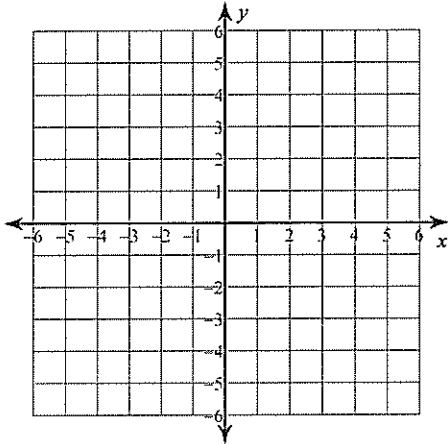


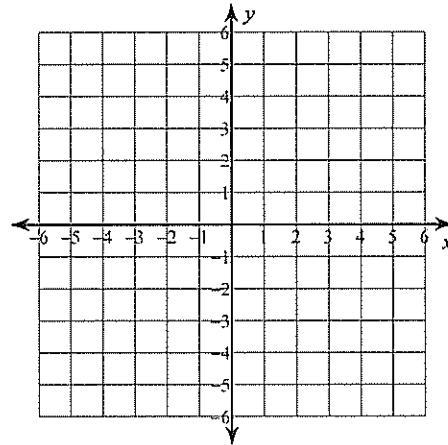
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Sketch the graph of each line.

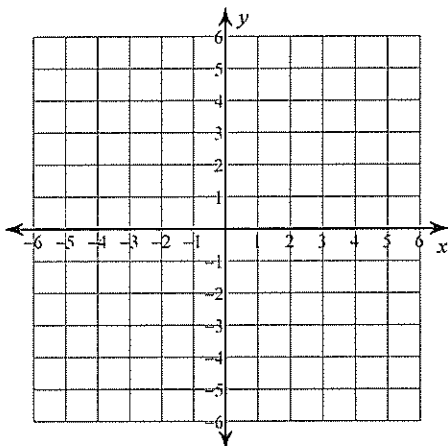
1) $y = \frac{2}{5}x - 5$



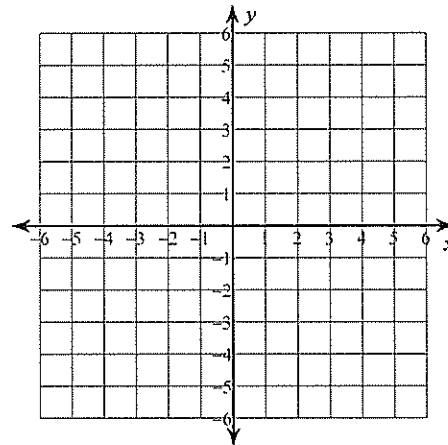
2) $y = 4x + 2$



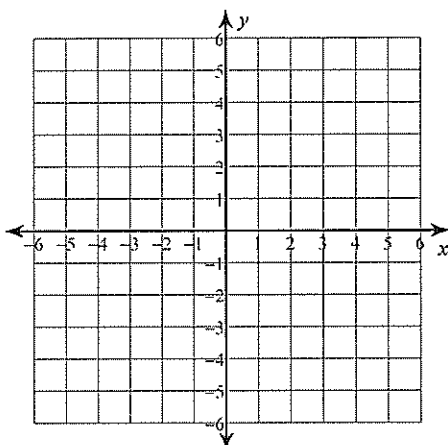
3) $x = 2$



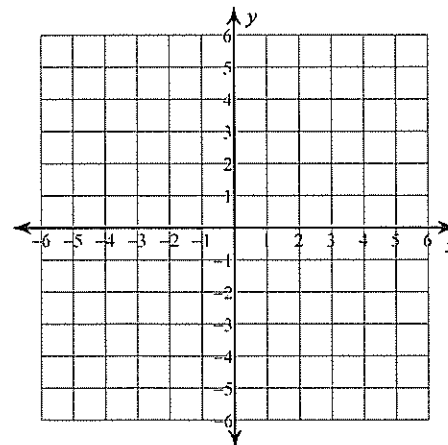
4) $y = \frac{1}{3}x + 5$



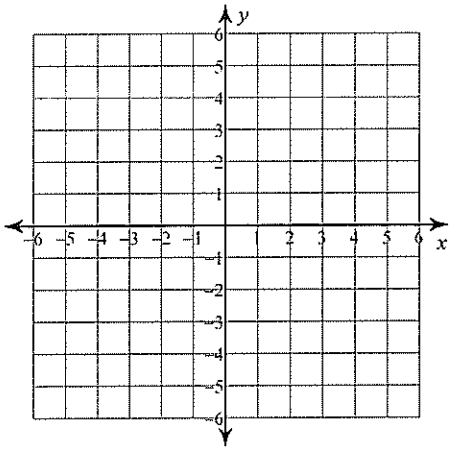
5) $y = \frac{3}{2}x - 5$



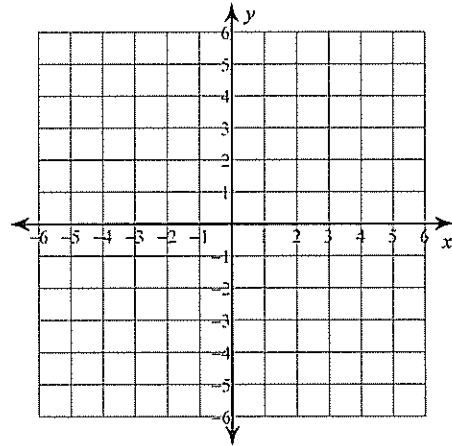
6) $x = -1$



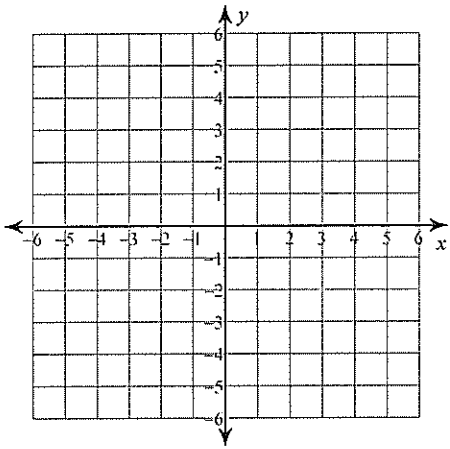
7) $y = 2x - 5$



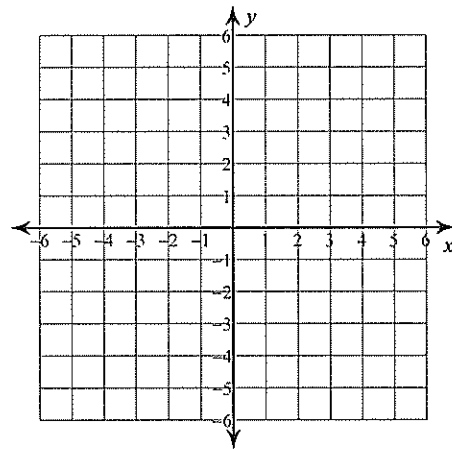
8) $y = -\frac{4}{3}x + 2$



9) $y = -3x - 2$

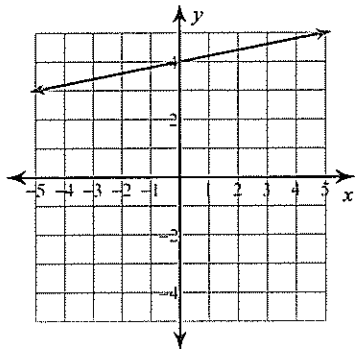


10) $y = -\frac{2}{5}x + 3$

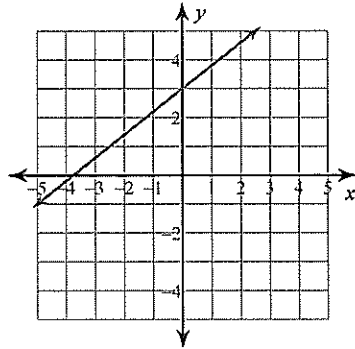


Write the slope-intercept form of the equation of each line.

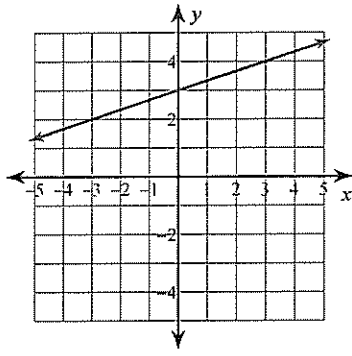
11)



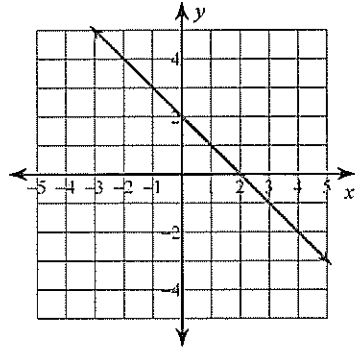
12)



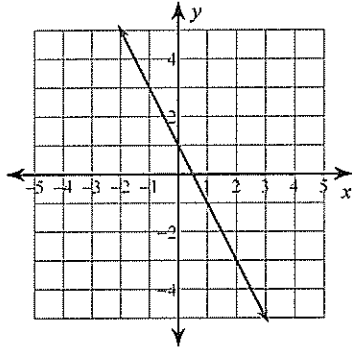
13)



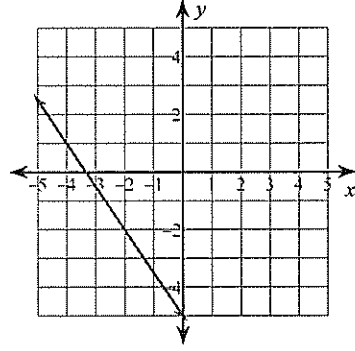
14)



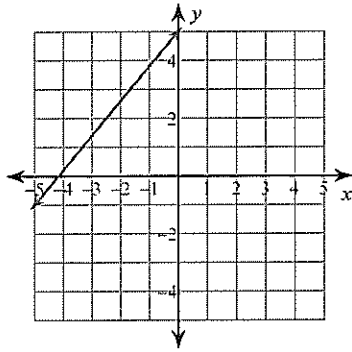
15)



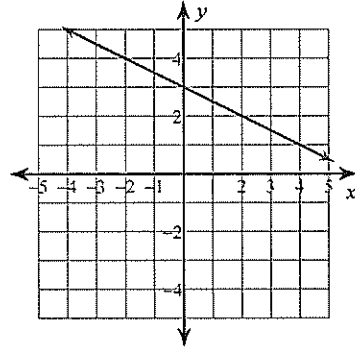
16)



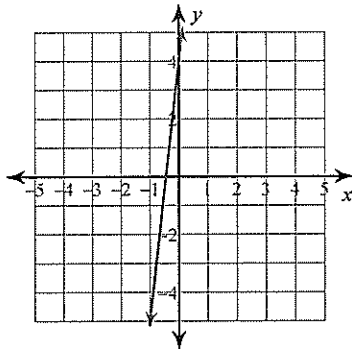
17)



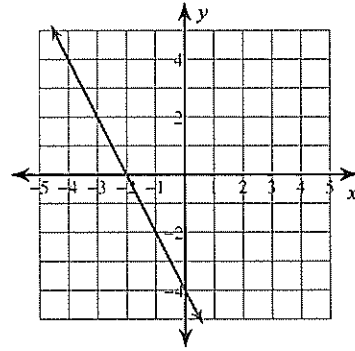
18)



19)



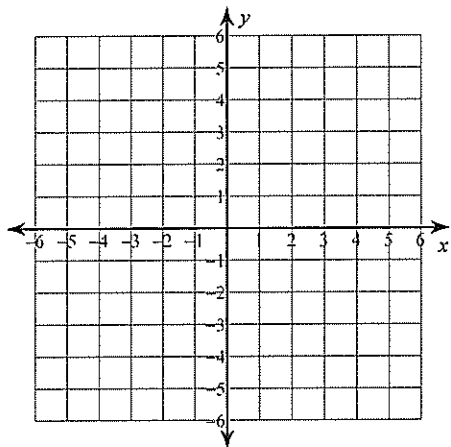
20)



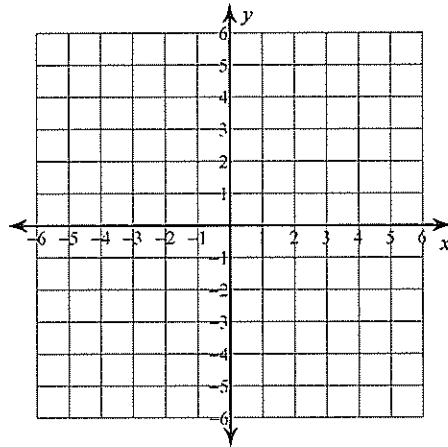
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Write the equation in Standard, Slope-Intercept, and Point-Slope Form. Then graph.

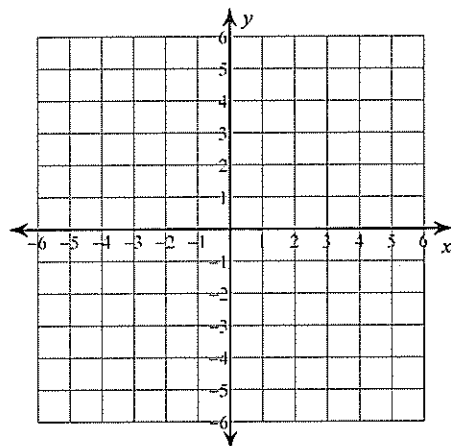
1) $-6y = 8x - 6$



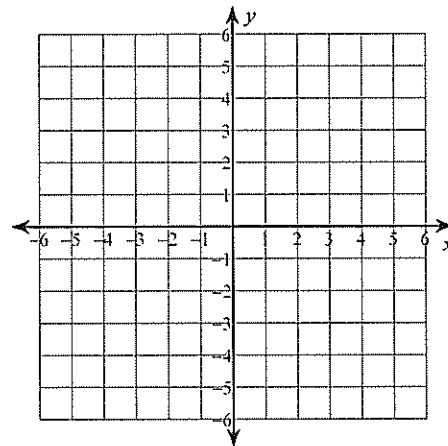
2) $-4 = -2y - 3x$



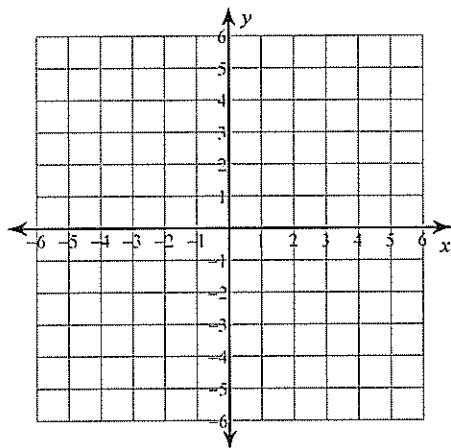
3) $0 = 2 + y$



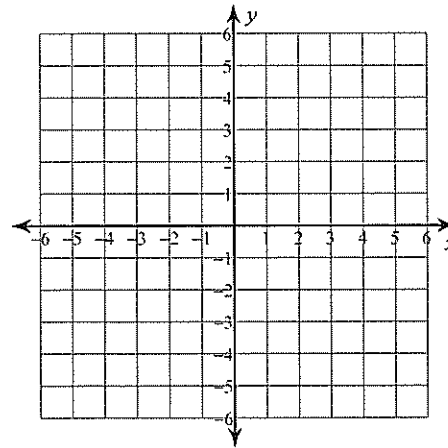
4) $4y = x$



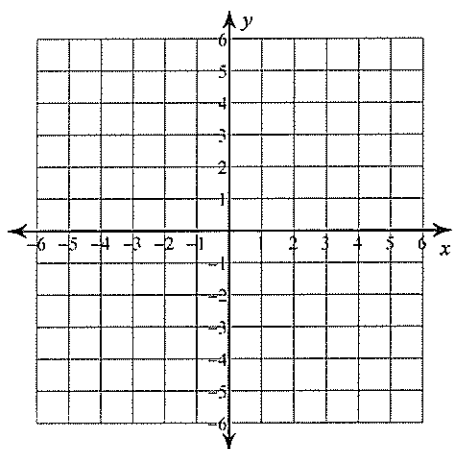
5) $-4x + 3y = 15$



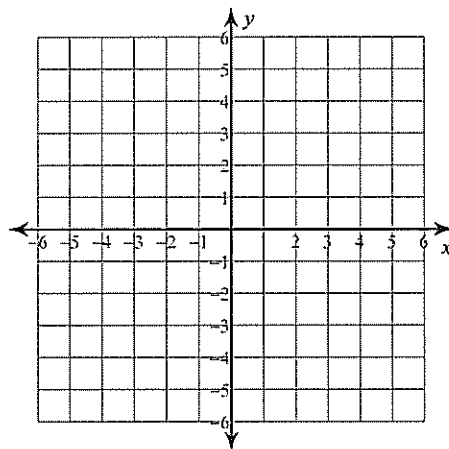
6) $x - 4y = -12$



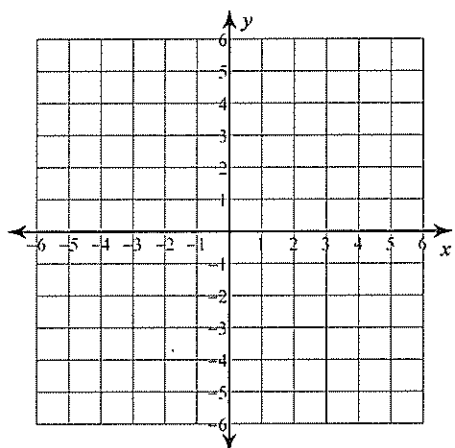
7) $0 = -5 + y - 2x$



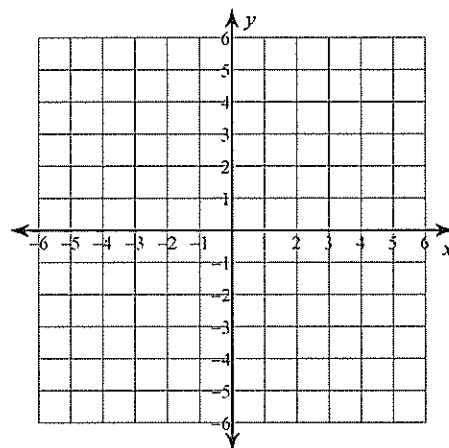
8) $0 = -3y - 18x - 6$



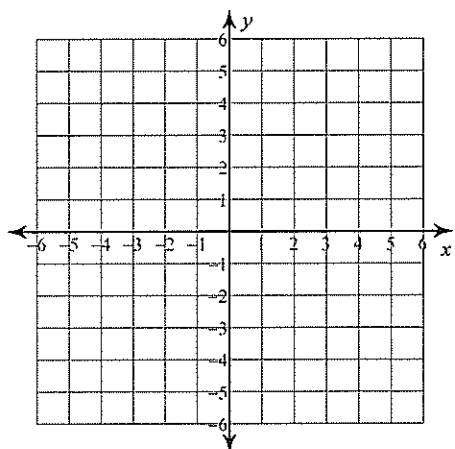
9) $y = \frac{2}{5}x - 1$



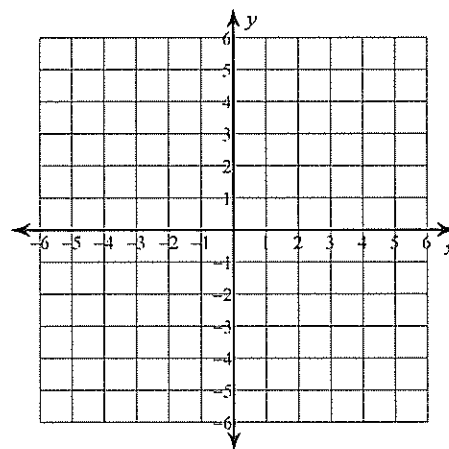
10) $y = -3x + 1$



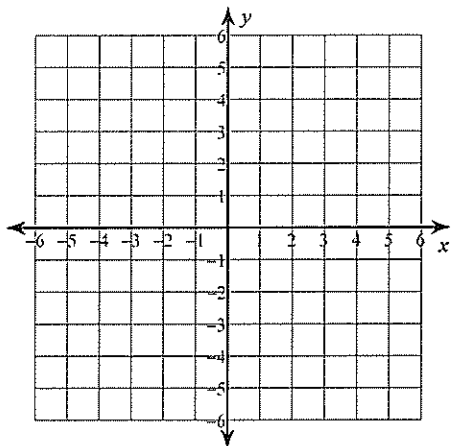
11) $y = \frac{4}{5}x - 4$



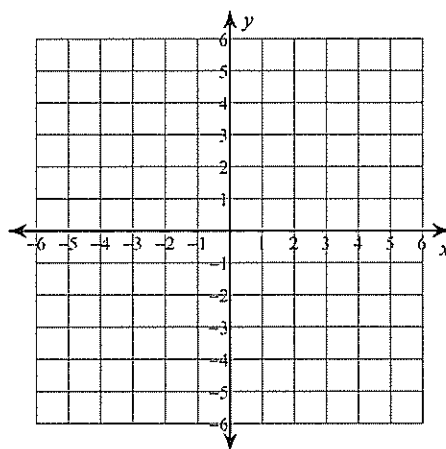
12) $y = \frac{5}{3}x - 5$



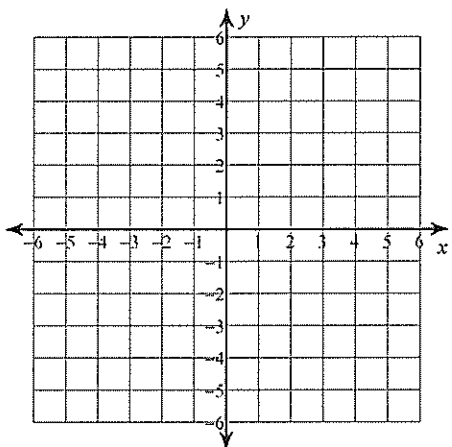
13) $y = \frac{2}{3}x$



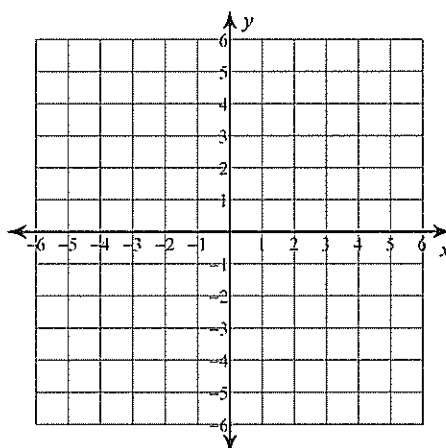
14) $y = 2x - 4$



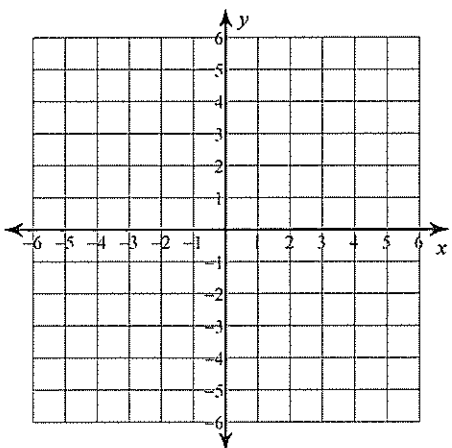
15) $y = \frac{4}{3}x + 2$



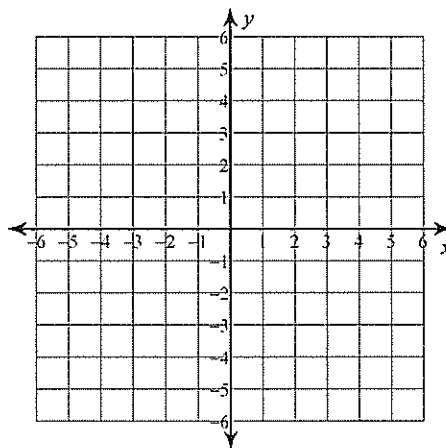
16) $y = -x - 3$



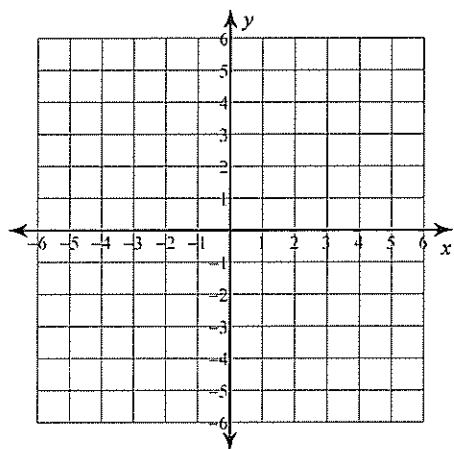
17) $x - 4y = -8$



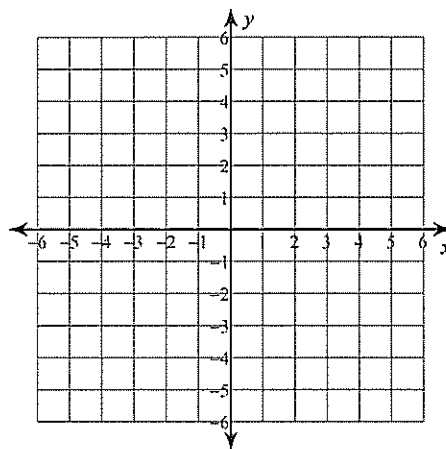
18) $x + 3y = -12$



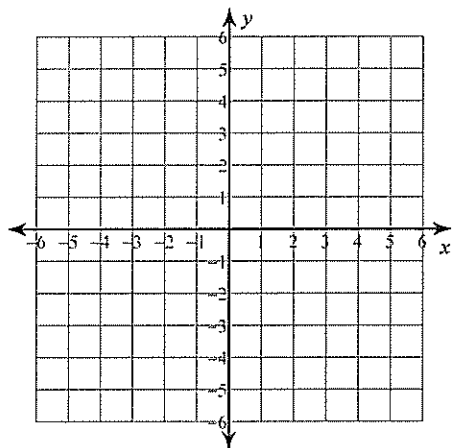
19) $9x + 4y = 20$



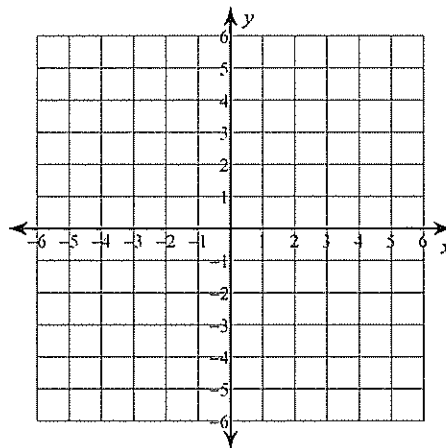
20) $2x - 3y = 15$



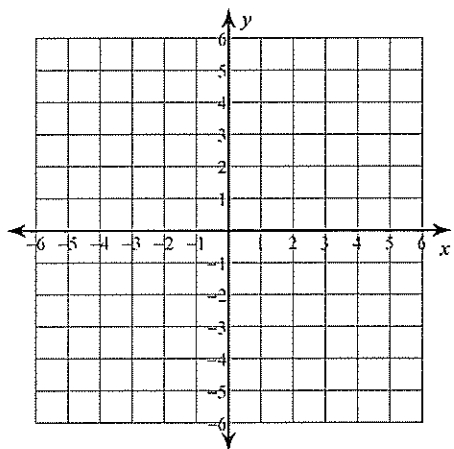
21) $3x + 4y = 20$



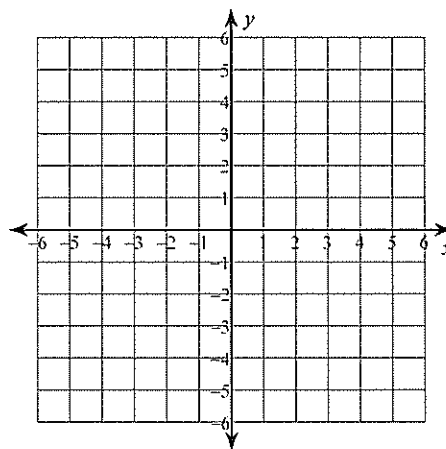
22) $x + 4y = -8$



23) $3x + 5y = 10$



24) $x - y = 0$



CLASS COPY: DO NOT WRITE ON**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

1) through: $(-4, -3)$, slope = 1

2) through: $(3, 4)$, slope = $\frac{2}{5}$

3) through: $(1, -3)$, slope = 0

4) through: $(-5, 2)$, slope = $-\frac{4}{5}$

5) through: $(-4, -2)$, slope = $-\frac{3}{4}$

6) through: $(1, 0)$, slope = -2

7) through: $(-4, 3)$, slope = -1

8) through: $(4, -1)$, slope = $-\frac{1}{4}$

9) through: $(5, -1)$, slope = $-\frac{5}{8}$

10) through: $(-5, 3)$, slope = $\frac{2}{5}$

Write the slope-intercept form of the equation of the line through the given points.

11) through: $(-3, 3)$ and $(0, -4)$

12) through: $(-2, 4)$ and $(3, 5)$

13) through: $(0, 2)$ and $(4, -4)$

14) through: $(0, 5)$ and $(2, 2)$

15) through: $(2, 4)$ and $(0, 3)$

16) through: $(3, 0)$ and $(-5, -3)$

17) through: $(4, 3)$ and $(2, -4)$

18) through: $(2, 2)$ and $(-3, -5)$

19) through: $(5, 2)$ and $(3, -4)$

20) through: $(0, -4)$ and $(3, 2)$

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Write the slope-intercept form of the equation of the line described.

1) through: $(5, 3)$, parallel to $y = \frac{3}{10}x$

2) through: $(-2, -3)$, parallel to $y = x + 5$

3) through: $(5, -2)$, parallel to $y = -2x + 4$

4) through: $(-3, 5)$, parallel to $y = -\frac{7}{3}x - 5$

5) through: $(-5, 4)$, parallel to $y = -\frac{3}{5}x + 3$

6) through: $(5, 0)$, parallel to $y = \frac{1}{5}x + 2$

7) through: $(-5, -2)$, parallel to $y = 5x + 4$

8) through: $(-4, -1)$, parallel to $y = -x + 5$

9) through: $(-5, 3)$, parallel to $y = -\frac{1}{5}x + 4$

10) through: $(-5, 0)$, parallel to $y = -\frac{1}{10}x - 2$

11) through: $(1, 5)$, perp. to $x = 0$

12) through: $(3, 5)$, perp. to $y = -\frac{3}{7}x - 4$

13) through: $(1, -3)$, perp. to $y = \frac{1}{3}x - 5$

14) through: $(3, 0)$, perp. to $y = -\frac{3}{5}x - 1$

15) through: $(2, -3)$, perp. to $y = -2x - 4$

16) through: $(4, -1)$, perp. to $x = 0$

17) through: $(-5, 5)$, perp. to $y = 0$

18) through: $(2, -1)$, perp. to $y = 2x - 3$

19) through: $(-3, 3)$, perp. to $y = \frac{3}{7}x - 2$

20) through: $(-5, 2)$, perp. to $y = \frac{6}{5}x - 3$